



Pioneer Energy Services

Microresistivity Log

API No.	15-051-26,345-00-00	
Company	TDL, Inc.	
Well	Orville No. 1	
Field	Wildcat	
County	Ellis	State
		Kansas
Location	NE NE SW SE 1,250' FSL & 1,330' FEL	
Sec: 7	Twp: 15S	Rge: 19W
Permanent Datum	Ground Level	Elevation 2024
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
		Other Services CNL/CDL DIL
		Elevation K.B. 2034 D.F. G.L. 2024

Date	8/29/2012
Run Number	Two
Depth Driller	3707
Depth Logger	3706
Bottom Logged Interval	3705
Top Log Interval	2900
Casing Driller	8.625 @ 1283
Casing Logger	1281
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	3600
Density / Viscosity	9.1 53
pH / Fluid Loss	10.5 7.6
Source of Sample	Flowline
Rm @ Meas. Temp	.75 @ 76
Rmf @ Meas. Temp	.56 @ 76
Rmc @ Meas. Temp	1.01 @ 76
Source of Rmf / Rmc	Charts
Rm @ BHT	.50 @ 113
Operating Rig Time	4 Hours
Max Rec. Temp. F	113
Equipment Number	108
Location	Hays
Recorded By	J. Long
Witnessed By	Tom Denning

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

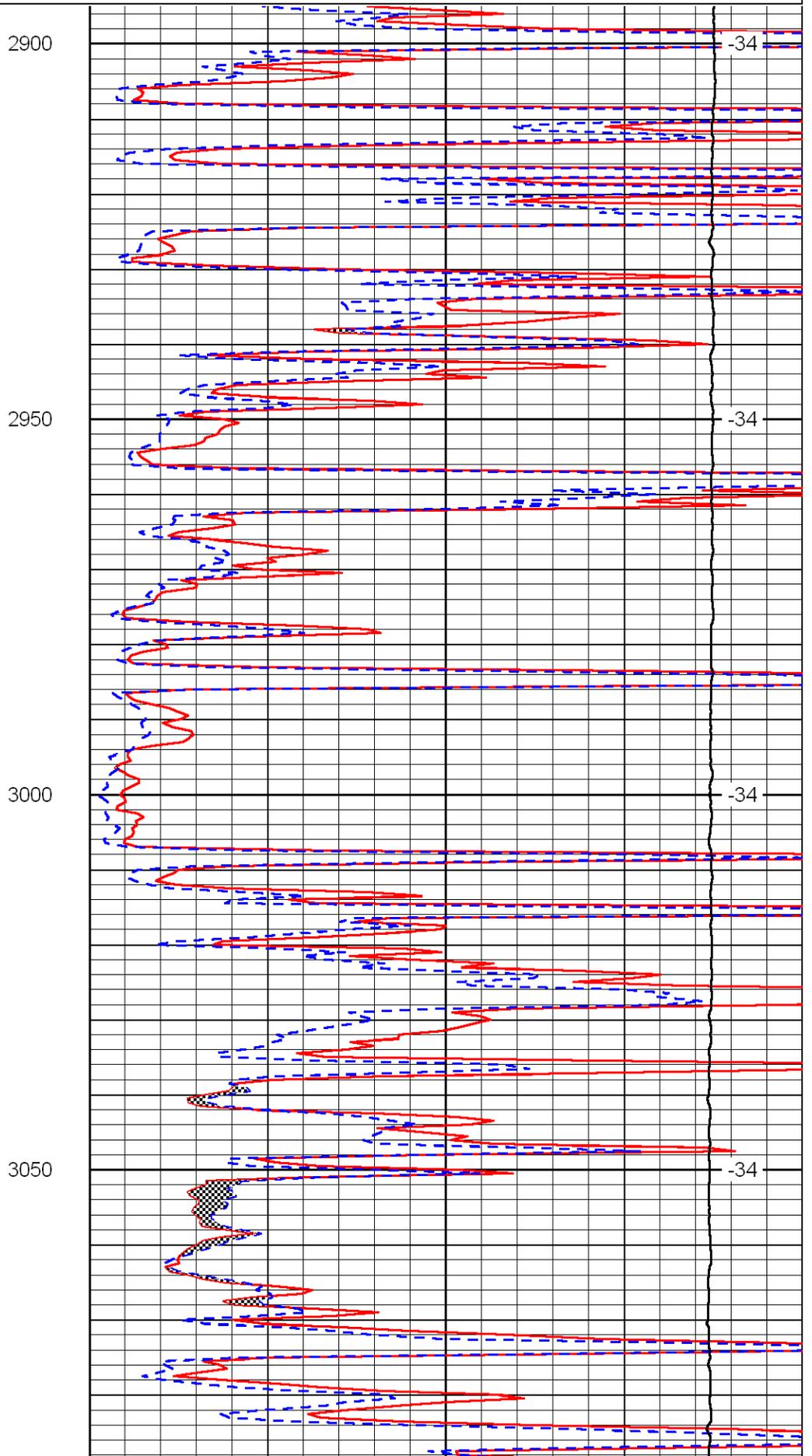
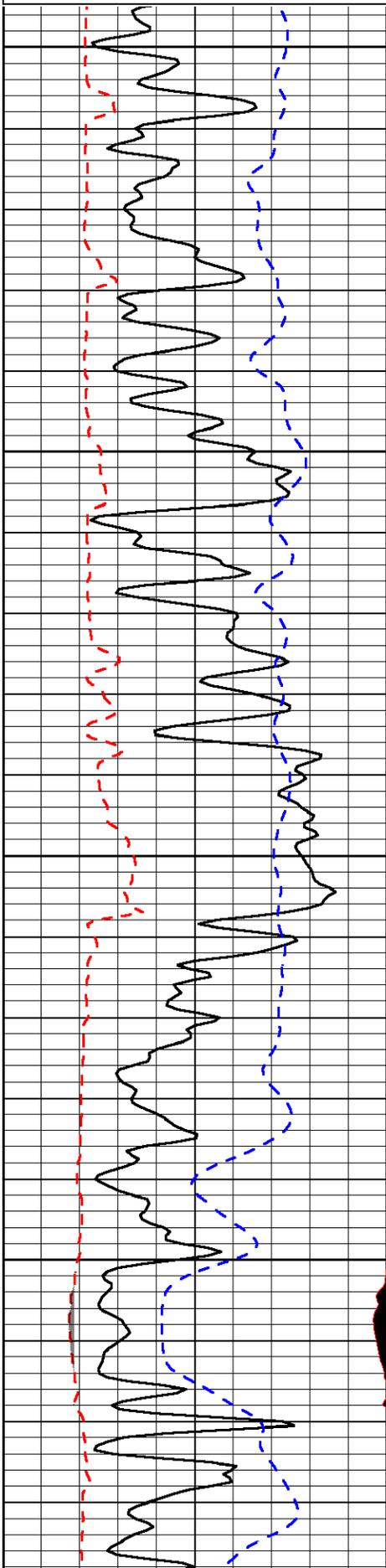
Thank you for using Log-Tech, Inc.
(785) 625-3858

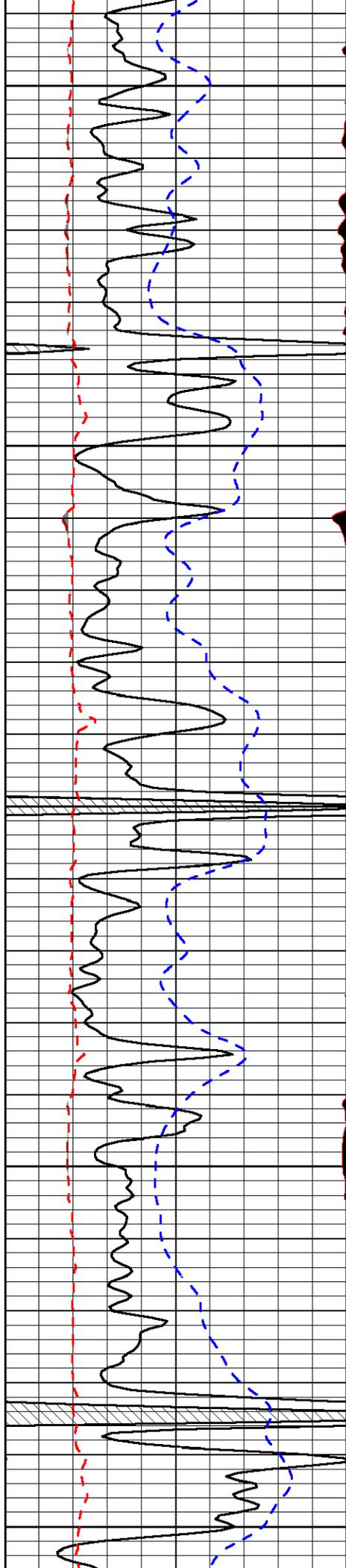
Antonino, 3 West, 2 South, 1 1/4 West, North Into

Database File: tdi_orville_1hd.db
 Dataset Pathname: dil/tdistck
 Presentation Format: micro
 Dataset Creation: Wed Aug 29 23:37:38 2012
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP	0

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0
		LSPD





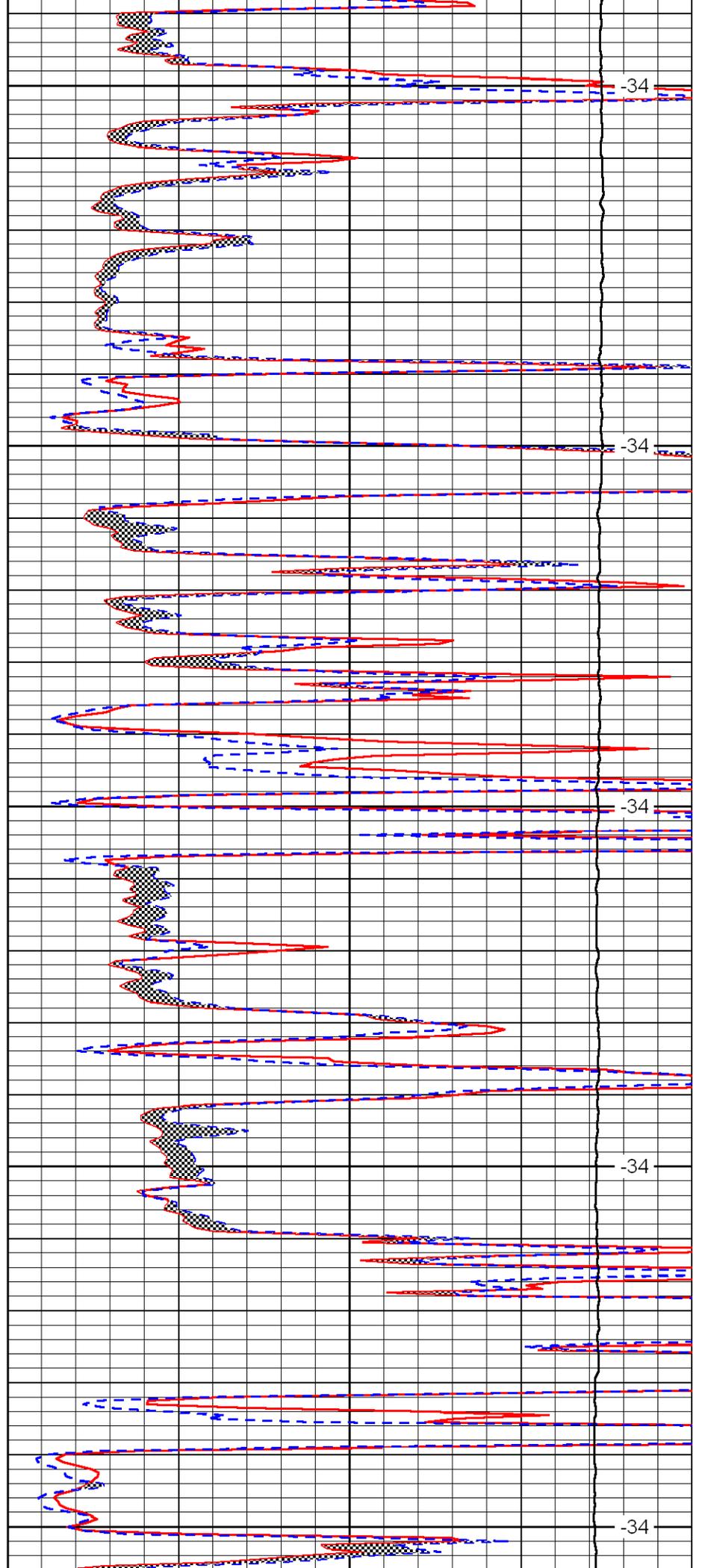
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3150

3200

3250

3300



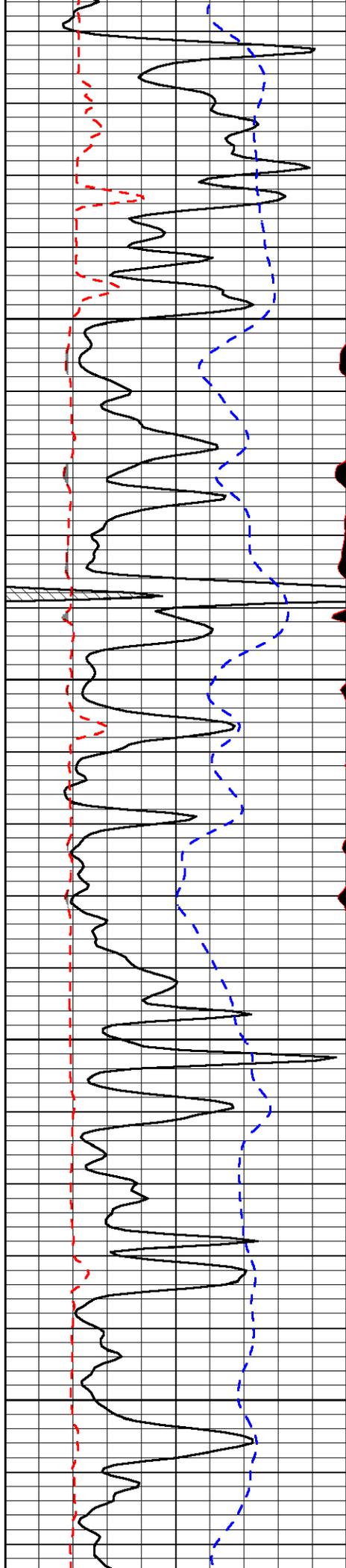
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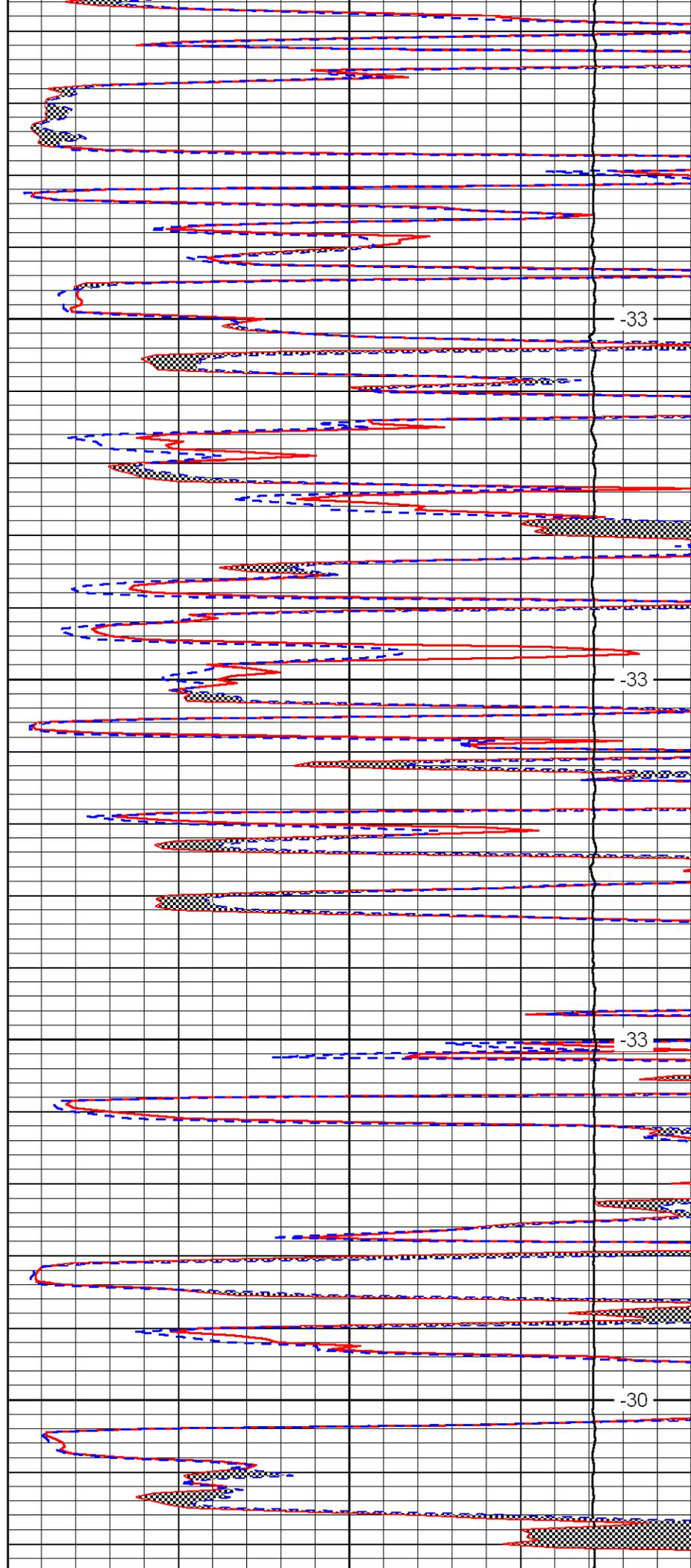


3350

3400

3450

3500

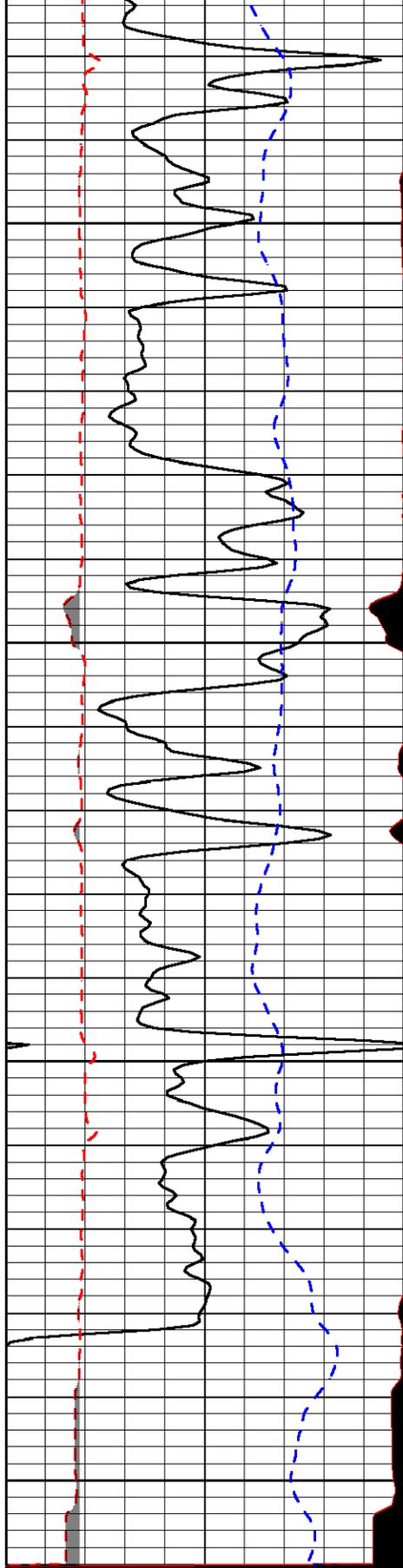


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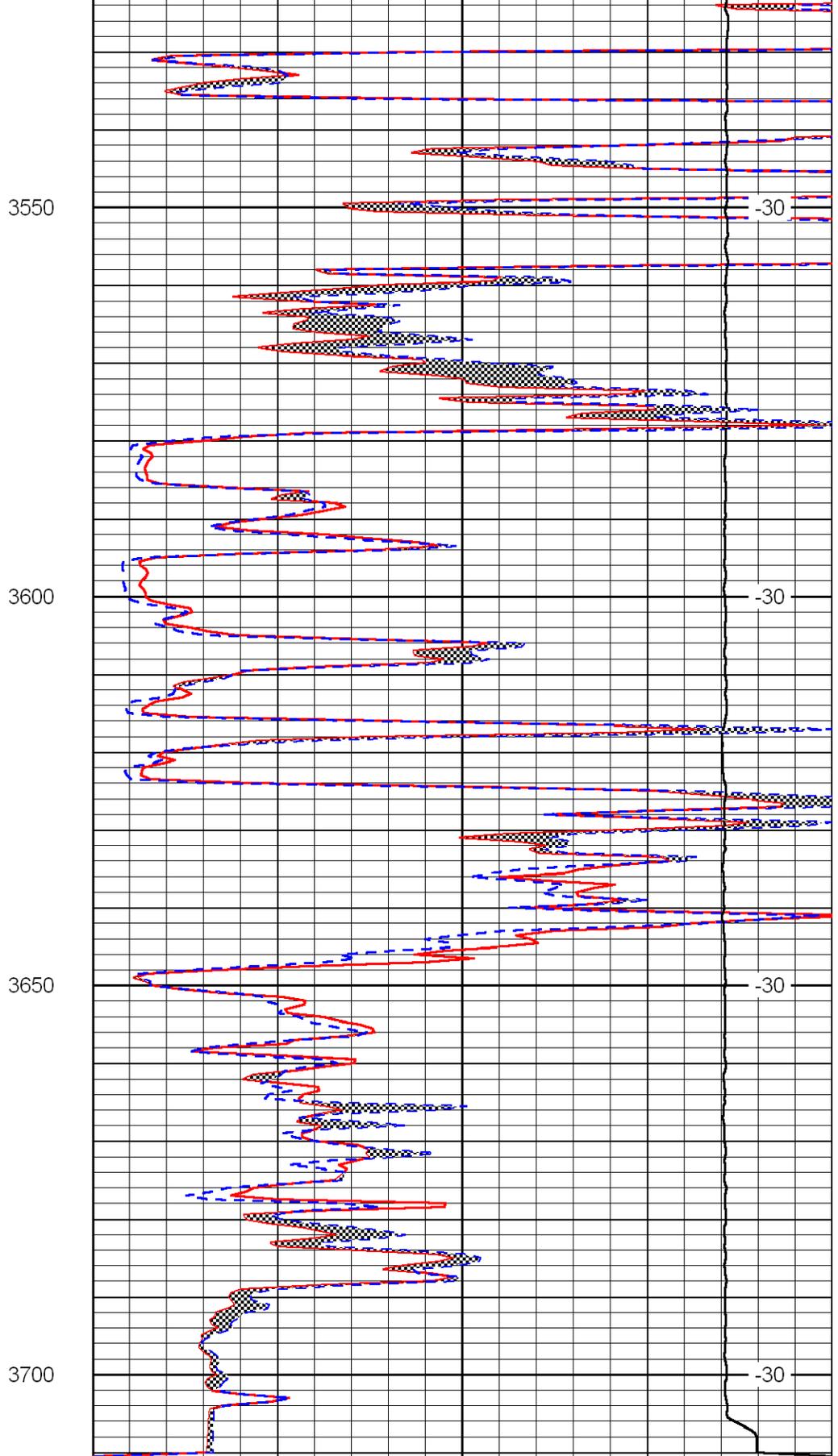
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